

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER NBU 921-21E4CS			
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT NATURAL BUTTES			
4. TYPE OF WELL Gas Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>						5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES			
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.						7. OPERATOR PHONE 720 929-6515			
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217						9. OPERATOR E-MAIL julie.jacobson@anadarko.com			
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU0576			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')			
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')			
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Ute Tribe			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>			

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1786 FSL 831 FWL	NWSW	21	9.0 S	21.0 E	S
Top of Uppermost Producing Zone	2564 FNL 826 FWL	SWNW	21	9.0 S	21.0 E	S
At Total Depth	2564 FNL 826 FWL	SWNW	21	9.0 S	21.0 E	S

21. COUNTY UINTAH		22. DISTANCE TO NEAREST LEASE LINE (Feet) 826		23. NUMBER OF ACRES IN DRILLING UNIT 1480	
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 294		26. PROPOSED DEPTH MD: 11400 TVD: 11254	
27. ELEVATION - GROUND LEVEL 4848		28. BOND NUMBER WYB000291		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-8496	

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	11	8.625	0 - 2860	28.0	J-55 LT&C	0.2	Type V	180	1.15	15.8
							Class G	270	1.15	15.8
Prod	7.875	4.5	0 - 11400	11.6	HCP-110 LT&C	12.5	Premium Lite High Strength	350	3.38	12.0
							50/50 Poz	1640	1.31	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Danielle Piernot	TITLE Regulatory Analyst	PHONE 720 929-6156
SIGNATURE	DATE 02/27/2013	EMAIL danielle.piernot@anadarko.com
API NUMBER ASSIGNED 43047536520000	APPROVAL Permit Manager	

Found 2006 Aluminum
Cap with Set Stone
North of Cap.

S89°49.9'W - 40.014 (G.L.O.)
S89°53'16"W - 2640.91' (Meas.)

Found 2006 Aluminum
Cap in Pile of Stones.

Found 2006 Aluminum
Cap Near Fence Post.

N0°04.6'W - 40.429 (G.L.O.)
N00°00'48"W - 2668.44' (Meas.)

2564'

Bottom of
Hole
826'

NBU 921-21E4CS (Surface Position)

NAD 83 LATITUDE =	40.019206° (40° 01' 09.142")
LONGITUDE =	109.563191° (109° 33' 47.489")
NAD 27 LATITUDE =	40.019241° (40° 01' 09.269")
LONGITUDE =	109.562502° (109° 33' 45.008")

NBU 921-21E4CS (Bottom Hole)
 NAD 83 LATITUDE = 40.021796° (40° 01' 18.467")
 LONGITUDE = 109.563212° (109° 33' 47.562")
 NAD 27 LATITUDE = 40.021832° (40° 01' 18.594")
 LONGITUDE = 109.562523° (109° 33' 45.081")

N00°03'12"E - 2646.31' (Meas.)
N0°00.1"W - 40.094 (G.L.O.)

Found 2006 Aluminum
Cap in Pile of Stones.

Found 2006 Aluminum
Cap in Pile of Stones.

N0°01.7'W - 39.953 (G.L.O.)
2636.94' (Measured)

N00°02'18"E (Basis of Bearings)

831'

Well Surface
Position

1786'

WELL LOCATION:
NBU 921-21E4CS

ELEV. UNGRADED GROUND = 4848.3'

N00°23'09"E - 2644.33' (Meas.)
N0°19.9'E - 40.067 (G.L.O.)

Found 2006 Aluminum
Cap, Pile of Stones,
Under E/W Fence.

Found 2006 Aluminum
▲ Cap in Pile of Stones,
near E/W Fence.

Found 2006 Aluminum Cap in Pile of Stones, Under E/W Fence.

S89°12'12"W - 2635.85' (Meas.)
S89°08.5'W - 39.937 (G.L.O.)

N89°37'27"W - 2630.93' (Meas.)
N89°40.8'W - 39.862 (G.L.O.)

NOTES:

▲ = Section Corners Located

1. Well footages are measured at right angles to the Section Lines.
2. G.L.O. distances are shown in feet or chains.
1 chain = 66 feet.
3. The Bottom of hole bears N00°17'03"W 943.88' from the Surface Position.
4. Bearings are based on Global Positioning Satellite observations.
5. Basis of elevation is Tri-Sta "Two Water" located in the NW $\frac{1}{4}$ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

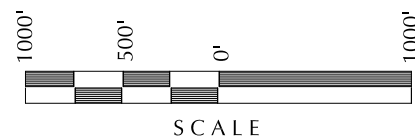
WELL PAD: NBU 921-21L

NBU 921-21E4CS
WELL PLAT

2564' FNL, 826' FWL (Bottom Hole)
SW $\frac{1}{4}$ NW $\frac{1}{4}$ OF SECTION 21, T9S, R21E,
S.L.B.&M., UTAH COUNTY, UTAH.



CONSULTING, LLC
2155 North Main Street
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182



SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED
FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR
UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE
AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PROFESSIONAL LAND SURVEYOR
REGISTRATION No. 6028691
STATE OF UTAH

TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 3-12-12	SURVEYED BY: A.F.	SHEET NO: 3 3 OF 16
DATE DRAWN: 3-15-12	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'	Date Last Revised:	